

L. Stephen Buchanan, DDS, FICD, FACD

1515 State Street, Suite 16

Santa Barbara, CA 93101

Phone: (805) 899 - 4529 | Fax: (805) 963 - 0946

EDUCATION

1975 - 1978 University of Pacific School of Dentistry
San Francisco, CA
Doctor of Dental Surgery, 1978

1978 - 1980 Temple University School of Dentistry
Philadelphia, PA
Certificate in Endodontics, 1980

DENTAL BOARDS

National Boards
California State Boards
Diplomat of the American Board of Endodontics
Fellow of the American College of Dentists
Fellow of the International College of Dentists

ACADEMIC AWARDS

1978 American Association of Endodontists and Academy of General Dentistry
Awards for Clinical Excellence
A.W. Ward Award, B.C. Kingsbury Award
Alpha Omega Award
A.R. McDowell Award
The UOP Alumni Awards for the highest graduating GPA

1989 Medal of Paris, for Contributions to French Dentistry

1990 Hinman Medal, for Contributions to Dentistry

1992 Medal of Paris, for Contributions to the 2nd World Endodontic Congress

2005 The UOP Alumni Medallion of Distinction Award

VIDEO AWARDS

1994 US International Film and Video Festival:
First Place Gold Camera Award in Medicine, Health: Research

1994 US International Film and Video Festival:
First Place Gold Camera Award in Computer Animation

1995 Chris Awards - The 43rd Columbus International Film & Video Festival
First Place Christopher Columbus Award for the Most Originality and Creativity

1996 US International Film and Video Festival; certificate for Creative Excellence

1996 The Charleston International Film festival: The Charlestone Film Society
Silver and Bronze Awards

1996 CINE Competition: Golden Eagle Award and Trophy

1996 American Medical Association International Health and Medical Film Competition

- 1997 Freddie Award - First Place in Dentistry
American Medical Association International Health and Medical Film Competition
- 1997 Freddie Award - First Place in Dentistry
Cindy Competition: Silver CINDY Award
- 1997 WorldFest Houston International Film Festival: Silver Award in the category of
medicine, treatments, and procedures
- 2000 International Cindy Competition: Bronze CINDY Award

ACADEMIC EXPERIENCE

- 1982 - 1988 Lecturer, Loma Linda University, School of Dentistry
Loma Linda, CA
- 1988 - 2004 Adjunct Assistant Clinical Professor, Department of Endodontics
University of the Pacific Arthur A. Dugoni School of Dentistry
San Francisco, CA
- 2003 - Present Clinical Professor, Department of Graduate Endodontics
University of Southern California
Los Angeles, CA
- 2008 - Present Clinical Professor, Department of Graduate Endodontics
University of California Los Angeles (UCLA)
Los Angeles, CA
- 2008 - Present Guest Lecturer, Loma Linda University, School of Dentistry
Loma Linda, CA
- 2020 - Present Adjunct Assistant Clinical Professor, Department of Endodontics
University of the Pacific Arthur A. Dugoni School of Dentistry
San Francisco, CA

CLINICAL EXPERIENCE

- 1978 - 1980 Part-time Private Practice in Endodontics as an Associate
Philadelphia, PA
- 1980 - Present Private Practice Limited to Endodontics and Implant Surgery
Santa Barbara, CA
- 1989-Present Dental Education Laboratories (DEL), Founder
- 2011-2020 Dental Engineering Laboratories, LLC, President and Founder
- 2021-Present PlanB Dental, LLC, Co-Founder

RESEARCH

- 1989 - Present *Computer Reconstruction of CT Serial Cross-sections of Extracted Human Teeth*
400 cross-sectional images of each tooth are stacked and integrated into
transparent
3-D computer models allowing simultaneous viewing of internal and external root
anatomy. This is a long-term study that will include several thousand teeth to create
a 3-D anatomic database. In one application, this database will enable students to
“fly” through hundreds of root canals before treating a single patient. It will also
provide researchers with accurate computer models of teeth for comparative
anatomic analysis, stress analysis of restorative systems, and hydrodynamic
analysis of root canal irrigants. (Unpublished)

PUBLICATIONS

Pathways of the Pulp, Cohen and Burns 1982, 3rd and 4th Ed., Mosby, St. Louis, MO., Co-author and illustrator of subsection on *Warm Gutta Percha and Vertical Condensation*.

"Passive Instrumentation: Avoidance of Apical Damage," The Endodontic Report: 6-9, 1986.

"File Bending: Essential for Curved Canals," The Endodontic Report: 2:16-20, 1987.

"Working Length and Apical patency; The Control Factors," The Endodontic Report: 3:16-20, 1987

"Lubricants, Irrigants, and chelating Agents: Picking the Right Solution for the Right Job," The Endodontic Report: 4:15-19, 1988.

L.S. Buchanan and L. Westbury "Endo/Perio: Gaining a Firm Grasp of the Obvious," The Endodontic Report: 5:12-16, 1988.

"Management of the Curved Root Canal," The CDA Journal: 6:40-47, 1989.

Pathways of the Pulp, Cohen and Burns 1990, 5th Ed., Mosby, St. Louis, MO., Co-author Chapter 6: *Anatomy and Access*.

Pathways of the Pulp, Cohen and Burns 1990, 5th Ed., Mosby, St. Louis, MO., Co-author Chapter 7: *Cleaning and Shaping the Root Canal*.

"Paradigm Shifts in Cleaning and Shaping," The CDA Journal: 5:23-33, 1991.

Endodontics, John I. Ingle and Leif K. Bakland, 1992, 4th Ed., Lea and Febiger, Philadelphia, PA. Contributing Author.

"The Art of Endodontics; A Rational for Treatment," Dentistry Today: 1:30-35, 1993.

"The Art of Endodontics: Access Procedures," Dentistry Today: 7:48-53, 1993.

"The Art of Endodontics: Cleaning and Shaping the Root Canal System," Dentistry Today: 8:46-51, 1993.

"Cleaning and Shaping the Root Canals, Part 2: Cleaning Concepts," Dentistry Today: 9:92-95, 1993.

"The Art of Endodontics: Cleaning and Shaping the Root Canal System: Part 3: Shaping Concepts," Dentistry Today: 10:70-75, 1993.

"The Art of Endodontics: Cleaning and Shaping the Root Canal System: The Apical Preparation," Dentistry Today: 1:50-52, 1994.

"Cleaning and Shaping the Root Canal System: Instrument Selection and Use," Dentistry Today: 3:46-53, 1994.

"Cleaning and Shaping the Root Canal System: Negotiating Canals to the Termini," Dentistry Today: 4:76-81, 1994.

"Obturation Materials and Techniques: Fact and Fiction," Dentistry Today; 8:32-35, 1994.

"Vertical Condensation of Warm Gutta Percha: Observation Regarding the Classic Technique," Dentistry Today; 9:59-55, 1994.

"Endodontics in the Fourth Dimension: Dentin Meets the Silicon Chip in the New Millennium," Dentistry Today; 2:82-87, 1995.

"Gutta Percha Conefitting in Tapered Preparations: Standardizing the Use of Non-Standard Points," Dentistry Today; 5:42-47, 1995.

"Endodontic Diagnosis: Confidence from Methodical Skepticism, Part 1," Dentistry Today; 7:58-61, 1995.

"Endodontic Diagnosis, Part 2: Pulp Tests," Dentistry Today; 8:42-43, 1995.

"The Art of Endodontics: Pain Management Techniques," Dentistry Today; 11:42-49, 1995.

"The Continuous Wave of Obturation Technique: 'Centered' Condensation of Warm Gutta Percha in 12 Seconds," Dentistry Today; 1:60-67, 1996.

"The Art of Endodontics: Files of Greater Taper," Dentistry Today; 2:42-51, 1996.

"One-Visit Endodontics: A New Model of Reality," Dentistry Today; 5:36-43, 1996.

"The Art of Endodontics: Selected Case Histories, Part 1: Conventional Root Canal Therapy On A Molar With Thin, Curved Roots Using Variably Tapered GT Files And The Continuous Wave of Condensation Obturation Technique." Dentistry Today; 15:48-53, 1996.

"Controversies in Clinical Endodontics: Part 1, The Significance and Filling of Lateral Canals." Compendium, 17:1028-1046, 1996.

"The Art of Endodontics: Selected Case Histories, Part 2: Retreatment of Vital Case with Short Fill Which Failed Immediately." Dentistry Today; 16:48-51, 1997.

"Controversies in Clinical Endodontics: Part 2, Single-Appointment Treatment vs. Multiple Appointment Treatment." Compendium, 18:140-156, 1997.

"The Art of Endodontics: Selected Case Histories, Part 3: Conventional Root Canal Therapy Done on a Premolar with Large Apical Diameter Using Accessory Sizes of Variably-Tapered GT™ Files and the Continuous Wave of Condensation™ Obturation Technique." Dentistry Today; May 1997.

"The Standardized-Taper Root Canal Preparation, Part 1: Concepts for Variably Tapered Shaping Instruments" Dentistry Today; February 1999.

"The Standardized-Taper Root Canal Prep, Part 2: GT File Selection" Dentistry Today; October 1999.

"The Standardized-Taper Root Canal Prep, Part 3: GT File Technique in Large Root Canals with Small Apical Diameters" Dentistry Today; November 1999.

"The Standardized-Taper Root Canal Prep, Part 4: GT File Technique in Large Root Canals with Large Apical Diameters" Dentistry Today; December 1999.

"The Standardized-Taper Root Canal Prep, Part 5: GT File Technique in Small Root Canals" Dentistry Today; January 2000.

"The Standardized-Taper Root Canal Prep, Part 6: GT File Technique in Root Canals with Abrupt Apical Curvature" Dentistry Today; February 2000.

"Negotiating Root Canals to their Termini" Dentistry Today; November 2000.

"Take your Endodontist Out to Lunch: Enjoying the Referring Relationship" Dentistry Today; December 2000.

"The Predefined Endodontic Preparation: Instrument and Technique Updates for the Greater Taper System" Dentistry Today; January 2001.

The Art of Endodontics: A 3D Color Atlas of Endodontic Anatomy and Procedures, projected publication date: Fall 2002.

"Innovations in Endodontic Instruments and Techniques" Dentistry Today; December 2002.

"Filling Root Canal Systems With Centered Condensation: Concepts, Instruments, and Techniques" Dentistry Today; November 2004.

"Managing Severe Canal Curvatures and Apical Impediments: An Endodontic Case Study" Dentistry Today; April 2005.

"Inventing Tools for Dentists: Design Concepts, Original Thinking in Endodontics" Dental Tribune; January 2006.

"Implants in Endodontics" Endo Tribune; February 2007.

"Access Procedures: Entering Safely and Effectively" Endo Tribune; April 2007.

"The Economics of Endodontics" Endo Tribune; August 2007.

"The New GT *Series X* Rotary Shaping System: Objectives and Technique Principles" Dentistry Today; January 2008.

"GT Series X Files; Safety Meets Efficiency in the Next Generation of Landed Instruments" Roots January 2008.

"The Future of Endodontics: Observations by an Endodontist-Implant Surgeon, Part 1" Dentistry Today; September 2008.

"The Future of Endodontics: Observations by an Endodontist-Implant Surgeon, Part 2" Dentistry Today; October 2008.

"The X-Files: 4 Case Reports" Dentistry Today; January 2009.

"Common Misconceptions about Carrier-Based Obturation" Endodontic Practice; November 2009.

“Tapered Shaping Objectives Can Make Your Life Easier” [Dentistry Today](#): January 2010.

“Endodontic Treatment Planning in the Fourth Dimension” [Dentistry Today](#): October 2010.

“A Case of Diagnosis by Access” [Roots](#): Volume 2, 2011.

“Three Things I Wouldn’t Practice Endodontics Without” [Endodontic Practice](#): September 2011.

“The Case of The Elusive MB2 Canal” [Dentistry Today](#): October 2011.

“Negotiating Around Anatomic Root Canal Impediments” [Roots](#): 2012.

“Focus On: Endodontics” [Dentistry Today](#): 2012.

“Everything’s Changed, Except the Anatomy” [Dentistry Today](#): September 2012.

“No More Supremely Stinky Teeth” [Roots](#): February 2013.

“Should Endodontists Place Implants?” [Dental Town Magazine](#): March 2013.

“Mental Imaging in Endodontics - Living in a Place You’ll Never See” [Dentistry Today](#): June 2013.

“Endodontics: A Key Opinion Leader Colloquy” [Dentistry Today](#)
Written by L. Stephen Buchanan, DDS; Lisa Germain, DDS, MScD; and Diwakar Kinra, DDS, MS April 1, 2014

“Endodontic Shaping Procedures: The Past, Present, and Near Future” [Dentistry Today](#)
Written by L. Stephen Buchanan, DDS September 1, 2015

“Focus On: Endodontics” [Dentistry Today](#)
Written by L. Stephen Buchanan, DDS December 1, 2015

“Inflection Points in Dental Imaging” [Dentistry Today](#)
Written by L. Stephen Buchanan, DDS May 1, 2016

“Should General Practitioners Place Implants?” [Dentistry Today](#)
Written by L. Stephen Buchanan, DDS December 1, 2016

“Continuous Wave of Obturation, Part 1” [Dentistry Today](#), Written by L. Stephen Buchanan, DDS September 1, 2017

“Continuous Wave of Obturation, Part 2” [Dentistry Today](#), Written by L. Stephen Buchanan, DDS, October 1, 2017

“Dynamic CT-Guided Endodontic Access Procedures” [Dental Education Laboratories](#) and [Osaka, Japan Dental Journal](#), Written by L. Stephen Buchanan, DDS, January 2018

"Inflection Points in Endodontics: How New Technology is Coming of Age and Changing Endodontics" Endo Practice, Webinar written and presented by L Stephen Buchanan, DDS, March 2018

"A Revolutionary Protocol for Endodontic Access" Dentistry Today, Written by L Stephen Buchanan, Charles Maupin, DDS, and John Khademi, DDS, April 2018

"Cutting Endodontic Access Cavities for Long-Term Outcomes" Oral Health, Written by L Stephen Buchanan, DDS, May, 2018

"Warm Gutta-Percha Obturation with BC HiFlow™ Sealer" Endodontic Practice, Written by L Stephen Buchanan, DDS, October 2018

"Continuous Wave of Obturation with Bioceramic Sealer" Dentistry Today, Written by L Stephen Buchanan, DDS, November 2018

"Warm Obturation Techniques with Bioceramic Sealer" DentalTown, Written by L Stephen Buchanan, DDS, November 2018

Numerous publications dated December 2018 to present

RECENT ACADEMIC PRESENTATIONS

2008 PRESENTATIONS:

University of the Pacific Annual Alumni Meeting, San Francisco, CA
Two-Day Endodontic Lab Course with OHSU & UW, Santa Barbara, CA
FastTrack One-Day Laboratory Course, Nova University, Ft. Lauderdale, FL
American Academy of Endodontics Annual Meeting, Vancouver, Canada
California Dental Association Annual Meeting, Anaheim, CA
Les Journees Detaire Annual Meeting, Montreal, Canada
Temple University, Philadelphia, PA
Boston University, Boston, MA
Harvard University, Boston, MA
Tufts University, Boston, MA
FastTrack One-Day Laboratory Course, Tufts University, Boston, MA
Vietnamese Dental Society International Meeting, San Jose, CA
The Art of Endodontics Two-Day Hands-On Courses
in Santa Barbara, CA (11 courses given)
The Art of Endodontics Two-Day Molars Only Laboratory Course for Alumni, Santa
Barbara, CA (1 course given)
One-day Endodontic Lab Course with USC & UCSF, Santa Barbara, CA
Maryland State Dental Association Annual Meeting, Baltimore, MD
New York Academy of Dentist, New York, NY
University of Medicine and dentistry, New Jersey, Newark, NJ
FastTrack One-Day Laboratory Course, University of the Pacific San Francisco, CA
New Hampshire Dental Society, Concord, NH

2009 PRESENTATIONS:

One-day Endodontic Lab Course with USC, Santa Barbara, CA
Yankee Dental Congress Annual Meeting, Boston, MA
Pacific Dental Conference, Vancouver, CA

Hinman Dental Meeting, Atlanta, GA
Townie Meeting, Las Vegas, NV
Star of the North meeting, Saint Paul, MN
American Academy of Endodontics Annual Meeting, Orlando, FL
Francis Scott Key Study Club, Frederick, MD
Asia Lecture Tour: Singapore, Hong Kong, Taiwan, Korea, Japan
APICES Annual Meeting, Seattle, WA
One-day Endodontic Lab course with UCLA, VA Long Beach, LLU, UNLV,
Santa Barbara, CA
San Fernando Valley Dental Society, Agoura Hills, CA
European Lecture Tour: London, Spain, Bulgaria, Russia, Italy
The Art of Endodontics Two-Day Hands-on Courses in Santa Barbara, CA (11
courses given)
The Art of Endodontics Two-day Molars Only Laboratory Course for Alumni in Santa
Barbara, CA (1 course given)

2010 PRESENTATIONS:

One-Day Endodontic Lab course with USC & UCSF in Santa Barbara, CA
Chicago Midwinter Meeting, Chicago, IL
Academy of Osseointegration Meeting, Orlando, FL
Endodontic Extraordinaire Meeting, San Francisco, CA
New Orleans Dental Conference, New Orleans, LA
Ontario Dental Association, Toronto, Canada
American Academy of Endodontics Annual Meeting, San Diego, CA
One-Day Endodontic Lab Course with Heartland Dental Doctors, Santa Barbara, CA
One-Day Endodontic Lab Course with UW & ARMY, Santa Barbara, CA
American Academy of esthetic Dentistry, Maui, HI
One-Day Endodontic Lab Course with USC & LLU, Santa Barbara, CA
Nebraska University, Lincoln, NE
University of Louisville, Louisville, KY
Connecticut State Dental Association, Plantsville, CT
One-Day Endodontic Lab Course with UCLA, OHSU, VA Long Beach & UNLV, Santa
Barbara, CA
One-Day Endodontic Lab course with Japanese Dental Group, Santa Barbara, CA
The Art of Endodontics Two-Day Hands-On Courses in Santa Barbara, CA (10
courses given)
The Art of Endodontics Two-Day Molars Only Laboratory Course for Alumni, Santa
Barbara, CA (2 courses given)

2011 PRESENTATIONS:

Calgary District Dental Society, Calgary AB Canada
Tulsa Ski Seminar, Telluride, CO
The Art of Endodontics Two-Day Hands-On Courses in Santa Barbara, CA (12
courses given)
The Art of Endodontics Two-Day Molars Only Laboratory Course for Alumni, Santa
Barbara, CA (2 courses given)
One-Day Endodontic Lab Course with USC & LLU, Santa Barbara, CA
One-Day Endodontic Lab Course with UCLA, VA Long Beach, UW, UNLV & UCSF,
Santa Barbara, CA
One-Day Endodontic Lab Course with Kaiser Dental Doctors, Portland, OR
Endo-Prosthodontics Conference, Athens, Greece
Maupin Endodontics and Microsurgery Study Club, Lubbock, TX

One-Day Endodontic Lab Course with OC Endodontic Study Club, Santa Barbara, CA
One-Day Endodontic Surgical Live Demonstration Course with USC & UCLA in Santa Barbara, CA
The Art of Endodontics Two-Day Hands-On Course in Amsterdam (CIDE Facility)
European Society of Endodontology, Rome, Italy
California Dental Association Annual Session, San Francisco, CA
Victoria District Dental Society, Victoria, BC Canada
American Dental Association Annual Session, Las Vegas, NV
Ark La Tex Academy, Shreveport, LA
American College of Prosthodontist Annual Session, Scottsdale, AZ

2012 PRESENTATIONS:

Yankee Dental Congress Annual Meeting, Boston, MA
Endodontic Ski Seminar, Telluride, CO
Big Apple Dental Meeting, Mahwah, NJ
Midwest Dental Conference, Kansas City, MO
The Art of Endodontics Two-Day Hands-On Courses in Santa Barbara, CA (8 courses given)
The Art of Endodontics Two-Day Molars Only Laboratory Course for Alumni in Santa Barbara, CA (2 courses given)
Commonwealth Dental Association Meeting, Kuching, Malaysia
Brazilian Congress of Endodontics Meeting, Belo Horizonte, Brazil
University of Texas at Houston CE Department, Houston, TX
One-Day Endodontic Surgical Live Demonstration Course with USC & UCLA in Santa Barbara, CA
Two-Day Endodontic Lab Course with VA Long Beach, UW, UNLV, LLU & UCSF in Santa Barbara, CA
Dental Arts Academy, Tokyo, Japan
Colorado Prosthodontic Society Meeting, Denver, CO
American Dental Association Annual Session, San Francisco, CA
Dayton Dental Society, Dayton, OH
SybronEndo EMEA, Amsterdam, The Netherlands

2013 PRESENTATIONS:

Midwinter Meeting, Chicago, IL
California Academy of General Dentistry, Anaheim, CA
Lake Pontchartrain Study Group, New Orleans, LA
Townie Meeting, Las Vegas, NV
Waterloo Wellington Dental Society, Waterloo, Ontario, Canada
California Dental Association, San Francisco, CA
The Art of Endodontics Two-Day Hands-On Courses in Santa Barbara, CA (8 courses given)
The Art of Endodontics Two-Day Molars Only Laboratory Course for Alumni, Santa Barbara, CA (2 courses given)

2014 PRESENTATIONS:

Dental Society of Chester Co, Delaware Co, & PA DKU, Springfield, PA
Jersey Shore University Medical Center, Neptune, New Jersey
SybronEndo Seminars, Brussels
SybronEndo Seminars, Prague
SybronEndo Seminars, Munich

The Art of Endodontics Two-Day Hands-On Courses in Santa Barbara, CA (9 courses given)
The Art of Endodontics Two-Day Molars Only Laboratory Course for Alumni in Santa Barbara, CA (2 courses given)

2015 PRESENTATIONS:

Rocky Mountain Dental Convention, Denver, CO
Tulsa Dental Society, Tulsa, OK
International Dental Show, Germany
AAE Annual Session, Seattle, WA
Pacific Northwest Dental Conference, Bellevue, WA
Academy of General Dentistry, San Francisco, CA
American Dental Association, Washington, D.C.
The Best Seminar Ever, Las Vegas, Nevada
Two-Day Endodontic Lab Course with VA Long Beach, UW, UNLV, LLU, OHSU in Santa Barbara, CA
Two-Day Endodontic Lab Course with UCLA, USC in Santa Barbara, CA
The Art of Endodontics Two-Day Hands-On Courses in Santa Barbara, CA (10 courses given)
The Art of Endodontics Two-Day Molars Only Laboratory Course for Alumni, Santa Barbara, CA (1 courses given)

2016 PRESENTATIONS:

Academy of Osseointegration, San Diego, CA, USA
American Association of Endodontists, New Orleans, LA, USA
American Academy of Esthetic Dentistry, Dana Point, CA, USA
SiroWorld, Orlando, FL, USA
Colorado Roots Study Club, Colorado Springs, CO, USA
Greater New York Dental Meeting 2017, Chicago, IL, USA
Two-Day Endodontic Lab Course with VA Long Beach, UW, UNLV, LLU, OHSU in Santa Barbara, CA, USA
Two-Day Endodontic Lab Course with UCLA, USC in Santa Barbara, CA, USA
The Art of Endodontics Two-Day Hands-On Courses in Santa Barbara, CA, USA (11 courses given)
The Art of Endodontics Two-Day Molars Only Laboratory Course for Alumni, Santa Barbara, CA, USA (2 courses given)

2017 PRESENTATIONS:

Marin County Dental Association, San Rafael, CA, USA
Chicago MidWinter Meeting, Chicago, IL, USA
American Association of Endodontists, Annual Meeting, New Orleans, LA, USA
Irish Dental Association, Kilkenny, Ireland
University of Detroit Mercy School of Dentistry, Detroit, MI, USA
Virginia Commonwealth University, Richmond, VA, USA
Maurice H. Kornberg School of Dentistry Temple University, Philadelphia, PA, USA
Greater New York, New York, NY, USA
EndoPoint, Moscow, Russia
Dental Arts Academy, Tokyo, Japan (1 day presentation, 2 course days)
The Art of Endodontics Two-Day Hands On Courses at Dental Education Laboratories, Santa Barbara, CA, USA (Total of 11 courses)

The Art of Endodontics Two-Day Hands On Courses, Molars Only at Dental Education Laboratories, Santa Barbara, CA, USA (Total 2 course)
The Art of File Retrieval One-Day Hands On Courses at Dental Education Laboratories, Santa Barbara, CA, USA (Total 3 courses)

2018 PRESENTATIONS:

Edgar D. Coolidge Endodontic Study Club, Chicago, IL, USA
Chicago MidWinter Meeting, Chicago, IL, USA
University of the Pacific, Arthur A. Dugoni School of Dentistry, San Francisco, CA, USA
American Association of Endodontists, Denver, CO, USA
Roots Summit, Berlin, Germany
Ceola Helo Dental Association, Miami, FL, USA
University of Florida, Gainesville, FL, USA
Greater Endodontics, Salt Lake City, UT, USA
University of Rome, Rome, Italy
Dental Art Education, Florence, Italy
Italian Endodontic Congress, Florence, Italy
The Future of Endodontics Lecture, Gilbert, AZ, USA
American Association of Endodontists Insight Track, Chicago, IL, USA
New York University Two-Day Hands-On Course, New York, NY, USA
New Technology in Endodontics Lecture, Oakbrook, IL, USA
Toronto University One-Day Lecture Demonstration, Toronto, Canada
UT Health One-Day Lecture Demonstration, San Antonio, TX, USA
The Art of Endodontics Two-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA, USA (Total 10 courses)
The Art of Retreatment Two-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA, USA (Total 3 courses)
The Art of File Retrieval One-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA, USA (Total 3 courses)

2019 PRESENTATIONS:

Rocky Mountain Dental Convention, Denver, CO, USA
Yankee Dental Congress, Boston, MA, USA
The Art of Endodontics Two-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA USA (Total 10 courses)
The Art of Retreatment One-Day Hands-On Course at Dental Education Laboratories, Santa Barbara, CA USA (Total 1 course)
The Art of File Retrieval One-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA USA (Total 2 courses)
UCSF, San Francisco, CA USA
NCAE, San Francisco, CA USA
ASDA, San Francisco, CA USA
Saudi Arabia Endodontic Society, Saudi Arabia
University at Buffalo School of Dental Medicine, Buffalo, NY USA
American Association of Endodontists, Montreal, Canada
Temple University and Partners, Cairo, Egypt
Temple University and Partners, Nanning, China
Temple University and Partners, Shanghai, China
California Dental Association, Anaheim, CA USA
Temple University, Philadelphia, PA USA
Harvard University, Boston, MA USA
Ralph F. Sommer Symposium, Gross Pointe Shores, MI USA

American Dental Association, USA
Dental Congress, Mexico
AASD, USA
ADS, Gemany

2020 PRESENTATIONS:

The Art of Endodontics Two-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA, USA (Total of 5 courses)
The Santa Barbara Study Club at Dental Education Laboratories, Santa Barbara, CA USA (Total of 9 events)
Molars Only One-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA USA (Total of 3 courses)
PulpSucker KOL One-Day Course at Dental Education Laboratories, Santa Barbara, CA USA

2021 PRESENTATIONS:

The Art of Endodontics Two-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA, USA (Total of 8 courses)
Molars Only One-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA USA (Total of 5 courses)
Texas Dental Association Event, TX USA
Virtual American Association of Endodontists
The Art of Endodontics ULTRA Three-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA USA (Total of 5 courses)
Saudi Arabia Endodontic Society, Saudi Arabia
Clinical Dental Training Remote Hands-On Course on Access by Dental Education Laboratories (Ongoing Course)
Remote Hands-On Course on Access by Dental Education Laboratories (Ongoing Course)

2022 PRESENTATIONS:

The Art of Endodontics ULTRA Three-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA USA (Total of 8 courses)
Chicago Midwinter Meeting, Chicago, IL USA
AMS, Belgium
Polish Endo Meeting, Poland
CIDE, The Hague, Netherlands
The UCLA and LLU Residents One-Day Hands-On Course at Dental Education Laboratories, Santa Barbara, CA USA
American Association of Endodontists, Phoenix, AZ USA
CANAL, Belo Horizonte, Brazil
Indiana Dental Association, Indianapolis, IN USA
IFEA World Congress, Santiago, Chile
Pulp Fiction, Krakow, Poland
Clinical Dental Training Remote Hands-On Course on Access by Dental Education Laboratories (Ongoing Course)
Remote Hands-On Course on Access by Dental Education Laboratories (Ongoing Course)

2023 SCHEDULED PRESENTATIONS:

Kuwait Endo Conference, Kuwait City, Kuwait
Lebanese Endodontic Society, Beirut, Lebanon
IDS, Messe, Cologne, Germany
Santo Domingo Endo Conference, Santo Domingo, Dominican Republic
American Association of Endodontists, Chicago, IL USA
CANAL, Belo Horizonte, Brazil
The Art of Minimally Invasive Endodontics Two-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA USA (Total of 6 courses)
The Buchanan Endo Mini-Residency Week-Long Program at Dental Education Laboratories, Santa Barbara, CA USA (Total of 4 courses)
Intermediate Endo One-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA USA (Total of 2 courses)
Advanced Endo One-Day Hands-On Courses at Dental Education Laboratories, Santa Barbara, CA USA (Total of 2 courses)
Clinical Dental Training Remote Hands-On Course on Access by Dental Education Laboratories (Ongoing Course)
Remote Hands-On Course on Access by Dental Education Laboratories (Ongoing Course)

PATENTS

1987 Endodontic Root Canal File Bending Pliers
1989 Anti-Curvature Dental Root Canal Shaping File
1997 Root Canal Preparation Method
1998 Endodontic Treatment System
2001 Multi-Tapered Dental Files
2002 Endodontic Instruments with Pilot Tips and Parabolic Cutting Flutes
2002 Motor Control System for Endodontic Handpiece Providing Dynamic Torque Limit Tracking of Specific File Fatigue
2007 Attachable Packages for Thin, Elongated Devices
2008 Medical Treatment Apparatus and Needle Manufacturing Method
2009 Variable Land, Multiple Height Flute Contour Design for Endodontic Files
2010 X-Ray Imaging and Positioner
2010 Ultrasonic Tips
2010 Dental Instruments for Use with Ultrasonic Handpieces
2011 Apex Locator for Endodontic Procedures
2011 Dental Obturator
2012 Tip Wrench for Ultrasonic Dental Tool
2014 Endodontic Therapy System, Apparatus, and Method Making Use of a Disposable CT Registration Tray Device with Pre-Set Radiographic Registration Markers
2018 Tooth or Tooth Replica Holding Sleeve for Use with an Apex Locator (Patent Pending)
2019 Radio-Opaque 3D Printing Ink
2019 Multi-Cannula Negative Pressure Irrigation System
2020 Self-Heating Electric Plugger/Syringe Needle for Use in Filling a Root Canal
2021 Anatomic Apparatus and Training System for Remote and Interactive Hands-On Surgical Training for Dentists
2021 Vacuum Drawn Irrigation Followed by Instant Obturation of a Root Canal System Using a Single Staging Assembly
2021 Fluted Endodontic File

OTHER INVENTED PRODUCTS

2011	TrueTooth 3D Training Replicas
2011	TrueJaw 3D Training Replicas